

Summary of Changes (v19.08):

1. Comprehensive updates necessary for TG 01715 (last update was done in April 2013).
2. Included concerns with possibility of encountering hazardous debris sitting on top of existing suspended ceiling tiles where tiles need to be moved temporarily incidental to doing renovation or maintenance work.
3. Paragraph 1.02A.1, reinstate wording deleted by Robert Freeburg/consultant, regarding contractor surveys at its own expense. DAGS PMB noticed the deletion.

**Existing Conditions - Asbestos/Lead/Hazardous
Material Survey
TECHNICAL GUIDE**

TG 01715

1. COORDINATION ISSUES:

- 1.1 Asbestos Investigation: The State has previously conducted asbestos surveysampling for the purposes of removal and operational management. Review ~~existing~~ data from existing surveys and determine when ~~project~~job specific additional surveys are required during design field investigations. Previously completed survey reports for certain schools may be available at the Department of Education (DOE) Office of School Facilities and Support Services, Environmental Services Unit at phone number (808) 784-5060 (if a DAGS project involves renovation of a school facility). Previously conducted asbestos surveys of DAGS owned facilities or under responsibility of DAGS are available at DAGS Public Works Division, Technical Services Office at phone number (808) 586-0455.
- 1.2 Lead-Containing Paint Investigation: The State has previously conducted lead-~~containing~~based paint surveys in most elementary schools. Review data from existing surveys and determine when project specific additional surveys are required during design field investigation. Previously completed survey reports for certain schools may be available at the Department of Education (DOE) Office of School Facilities and Support Services, Environmental Services Unit at phone number (808) 784-5060 (if a DAGS project involves renovation of a school facility). Previously conducted lead paint surveys of DAGS owned facilities or under responsibility of DAGS are available at DAGS Public Works Division, Technical Services Office at phone number (808) 586-0455.
- 1.3 Electrical Work - If there are existing electrical manholes or duct banks under existing concrete slabs on grade, ~~advise confirm with~~ the Project Coordinator whether there is a the need for a hazardous material survey (ie. for PCB's, and pesterticides, transite conduits, etc)-
- 1.4 Arsenic: Most building materials made of canec contains arsenic and possibly lead paint and asbestos. Determine when job specific surveys are required.
- 1.5 Temporary movement of existing suspended ceiling tiles: Renovation projects, may require spaces above suspended ceilings to be accessed to perform various types of work (construction or maintenance). The existing ceiling tiles must be temporarily removed and put back in the process of accessing the ceiling space. The ceiling tiles itself may not contain hazardous materials but for Historic and pre-1978 buildings, there is the potential for debris containing hazardous material to have fallen on top of the tiles (example: underside of concrete floor, structural members or roof above may have lead containing paint that has delaminated and fallen off onto tops of some ceiling tiles). Considerations for determining if hazardous debris exists or not and potential sources of information:
 - A. Central Services Division may have some knowledge as their staff or maintenance contractor may have already accessed the general area or close to it.
 - B. Building occupants may have seen contractors access the general area or close to the vicinity on previous projects. Previous contractor(s) may have discovered and

communicated/documenting existence of a hazard.

C. If any information from doing steps (1) and (2) may give enough suspicion to investigate tops of the ceiling tiles, first recommended step is to perform a visual inspection at one or more locations to see if paint coated wood or steel members, steel deck or concrete floor/roof underside has any paint or coatings and also the condition of coating(s) for possible delamination (also look at top of ceiling tiles for paint chips, fibrous looking debris, etc.). One ceiling tile at each location shall be moved very carefully (to minimize disturbance and/or dropping of any potential dust; since you do not know what exists, assume there is accumulated debris) to the side, inside ceiling space with plastic drop cloth below. Clean/remove any debris fallen below if believed to be non-hazardous for typical house cleaning purposes. Information gathered from this inspection will determine if any sampling and analysis of any dust/debris should be done or not. DAGS PWD Representative (Project Coordinator, Area Architect/Engineer, environmental consultant) and building representative should decide on case basis what should be done.

D. In the event that hazardous material dust/debris does exist on top of suspended ceiling tiles and there is no intent to do a total abatement project prior to the renovation-alteration project, it is highly recommended that a written procedure be prepared by the Design Consultant with input from DOH and HIOSH for consultant field investigation work for temporary removal and replacement of ceiling tiles for safety of consultants, construction workers for any project and for building occupants (plastic drop cloths over desks, floors, etc; use of HEPA vacuums for cleanup; need for air monitoring for workers; need for air monitoring for office space; any protective clothing/equipment for workers; need for presence of qualified environmental monitoring person; etc.). For any construction project, decision can be made to have contractor's environmental subcontractor be responsible for proper procedures during construction and post construction maintenance and warranty phase. Consideration should be given for contractor to create a written procedure that must be a submittal required to be reviewed and approved (if deemed to be necessary, may have to consider separate procedure during construction and for post construction maintenance and warranty phase).

1.6 Enclosed spaces like existing ceiling spaces or other unusual spaces with solid surfaces and small access panel(s): This type of situation may be less frequently encountered but may have similar hazardous materials or debris laying on top of solid surfaces. If encountered, the proper procedures or work strategy will have to be determined on a case by case basis due to location, different configurations, possible need for confined space training, etc.

2. **DESIGN ISSUES:** (Not Used)
3. **DRAWING NOTES:** (Not Used)
4. **STANDARD DRAWINGS:** (Not Used)
5. **SPECIFICATION NOTES:** -(Not Used)
6. **GUIDE SPECIFICATION:**

6.1 SECTION 01715 - EXISTING CONDITIONS - ASBESTOS/LEAD/HAZARDOUS MATERIAL SURVEY is attached. For all projects, use existing surveys if available as provided by the

DAGS Design Coordinator supplemented by project specific surveys contracted to the Design Consultant.

SPECIFIER'S NOTE: Blue colored italicized text is used for notes to the specifier and should be completely deleted from the final text. Where [Red colored text in brackets] is shown in this specification section, insert wording, numbers, etc. as appropriate and delete brackets. Where <Red colored text in brackets> is shown, a choice is indicated. Make the appropriate choice and delete the brackets. Maintain footer notation with the current version used (e.g. TG 01715 v19.0813-04). Verify that section titles cross referenced in this Section correspond to this Project's specifications; Section titles may have changed.

Do not include the Project Name (etc.) line in the footer. Use the following format for the specification footer.

TG 01715 v19.028
DAGS Job No. [00-00-0000]

Existing Conditions - Asbestos/Lead/Hazardous Material Survey
01715 - 1

End Footer Sample

SECTION 01715 - EXISTING CONDITIONS - ASBESTOS / LEAD / HAZARDOUS MATERIAL SURVEY

SPECIFIER NOTES: Be sure to type in the footer (i.e. job number, spec section title, spec section number and page number) on the attachments appended to this section. Confirm with the Project Coordinator when to use this section. This section was formally known as SECTION 01015 - CONTRACTOR USE OF PREMISES.

PART 1 - GENERAL

1.01 SUMMARY

- A. This section includes the results of the State's survey for **[Asbestos, Lead and / or other Hazardous]** materials and is provided for the Contractor's information.

SPECIFIER NOTES: Do not include requirements for scope of work (removal) that disturbs the hazardous materials. Include appropriate Division 13 Sections. Add subparagraph 1.01 B. 1. if SECTION 13281 - ~~ABATEMENT REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING MATERIALS (ACM)~~ is used. Add subparagraph 1.01 B. 2. if SECTION 13282 - ~~SUBSTRATES WITH LEAD-CONTAINING PAINT CONTROL MEASURESS~~ is used. Add additional paragraphs if needed.

- B. Related Sections include the following:

1. SECTION 13281 - ~~ABATEMENT REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING MATERIALS (ACM)~~ for requirements of all work which disturbs ~~ACBM~~ asbestos-containing material (ACM). Also, refer to the drawings.
2. SECTION 13282 - ~~SUBSTRATES WITH LEAD-CONTAINING PAINTS~~ CONTROL MEASURES for requirements of all work which disturbs lead-containing paint (LCP). Also, refer to the drawings.
3. SECTION 13288 - ASBESTOS TESTING AND MONITORING for all testing and air monitoring of asbestos-containing material (ACM). Also, refer to the drawings.
4. SECTION 13289 - LEAD TESTING AND MONITORING for all testing and air monitoring of lead-containing paint (LCP). Also, refer to the drawings.
- ~~3. SECTION 13283 - LEAD-BASED PAINT CONTROL MEASURES for requirements of all work which disturbs the LCP. Also refer to the drawings.~~
54. SECTION 13XXX - [SECTION TITLE] for requirements of all work -which disturbs the **[contaminated materials]**. Also, refer to the drawings.

1.02 ASBESTOS

- A. The structure or structures to be renovated or ~~r~~ modified ~~demolished~~ under this contract were surveyed for the presence of asbestos-~~containing~~ building materials (ACBM), using [AHERA, NESHAP or other] requirements. A copy of the initial survey report, as well as any subsequent supplemental survey report(s) if performed, are included in this Section.

1. The report(s) are included, even when no ACBM was found, for the Contractor's information. Review the attached report(s) for the basis on which the negative ACBM finding was made. Contractor may perform further surveys at its own expense, if ACBM not shown in the report(s) is suspected in the areas of the building(s) in which work will be performed. If ACBM is found, notify the Contracting Officer immediately. The State will reimburse the Contractor for the testing cost if ACBM is found.
 2. If there is ACBM outside of the areas in which work will be performed, this ACBM shall not be disturbed in any way.
- B. If applicable, notify employees, Subcontractors and all other persons engaged on the project of the presence of asbestos in the existing buildings in accordance with the requirements of [State of Hawaii: Occupational Safety and Health Administration 29 CFR 1926.1101-Standards; Title 12, Subtitle 8, Chapter 145.1, Asbestos.](#)
[Chapter 110, Article 12-110-2 \(f\) \(1\) \(B\) of the Occupational Safety and Health Standards, State of Hawaii.](#)
- C. In the event work is required in any building or buildings on the site other than the ~~one(s)~~ ~~one(s) those~~ designated within this project scope, ~~the Contractor shall~~ request copies of the asbestos survey report(s) for such building(s) from the Contracting Officer assuming they are available. Based on the information contained in the additional survey(s), notify affected personnel per paragraph 1.02 B. If not available, Contracting Officer and/or DAGS Project Coordinator must decide to perform additional hazardous materials survey as soon as practicable.

SPECIFIER NOTES: When the project includes paint to be disturbed that was applied prior to 1978, assume that it contains lead and include this paragraph.

1.03 LEAD CONTAINING PAINT

- A. ~~Contractor shall~~ inform employees, Subcontractors and all other persons engaged in the project that lead containing paints (LCP) is present in the existing building(s) and at the job site. ~~Fellow~~ ~~Conduct work in accordance with~~ the requirements of [Occupational Safety and Health Administration 29 CFR 1926.62 Lead Title 12 \(Department of Labor and Industrial Relations\), Subtitle 8 \(Division of Occupational Safety and Health\), Chapter 148.1 \(Lead Exposure in Construction\), Hawaii Administrative Rules.](#)

SPECIFIER NOTES: If testing for lead was done, add this paragraph and append any data collected at the end of this section.

- B. ~~Contractor shall~~ ~~rRR~~ Review the attached lead testing data which identifies ~~es~~ locations ~~where~~ LCP was found ~~and ensure that~~ all workers that need to be involved ~~understand the contents of the report(s) referring to areas in which work is to be performed.~~ ~~Contractor must understand that~~ ~~Lead testing was for design purposes only, and the results do not satisfy any of the requirements of~~ [Occupational Safety and Health Administration 29 CFR 1926.62 Lead Chapter 12-148.1.](#)

SPECIFIER NOTES: Add other paragraphs where other hazardous materials are found in the building. Include the appropriate Survey and reference to the respective removal (Scope of Work) sections in these specifications.

1.04 POLYCHLORINATED BIPHENYLS (PCB's), TERMITICIDES, CHLORDANE, DIELDRIN

- A. ~~Contractor shall~~ Inform employees, Subcontractors and all other persons engaged in the project that **[PCB, Chlordane, Dieldrin, etc.]** are present in the existing building(s) and at the job site **[and may have contaminated - describe]**.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

SPECIFIER NOTES: Obtain copies of the State's survey reports for attachment to this section. Include additional reports provided by the Design Consultant. Reduce copies to required margin size. Footer all pages. Number pages X of XX [Page 1 of 14] etc. for each report. Where number of pages of reports becomes large, check with Project Coordinator regarding making part of specification.

- 3.01 SURVEY attached, [_____] pages, dated [_____], prepared by [_____].

END OF SECTION